

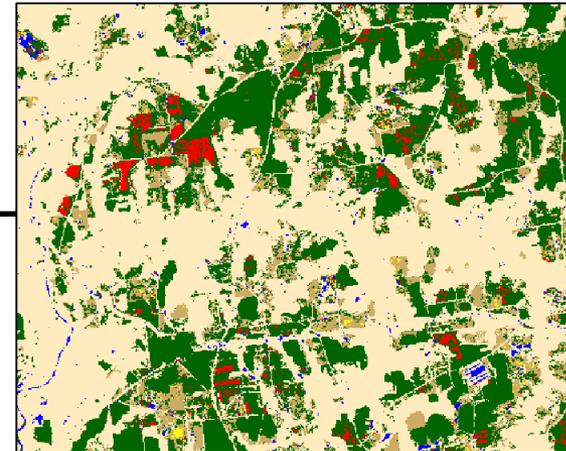
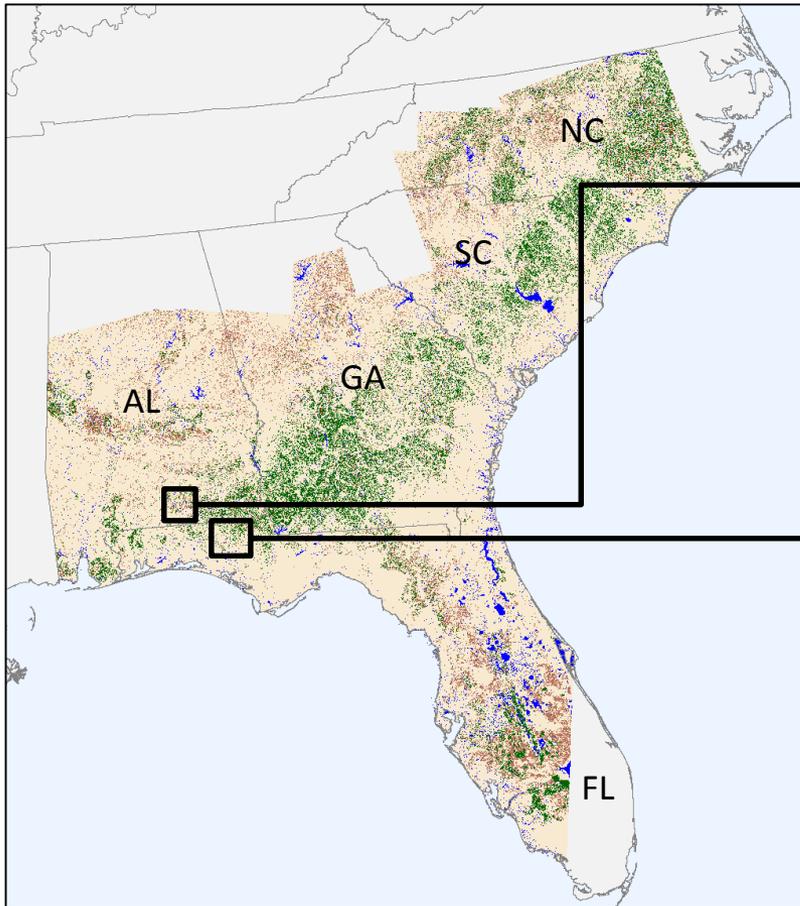
Hurricane Michael

NASS Flood Assessment

Incident Overview

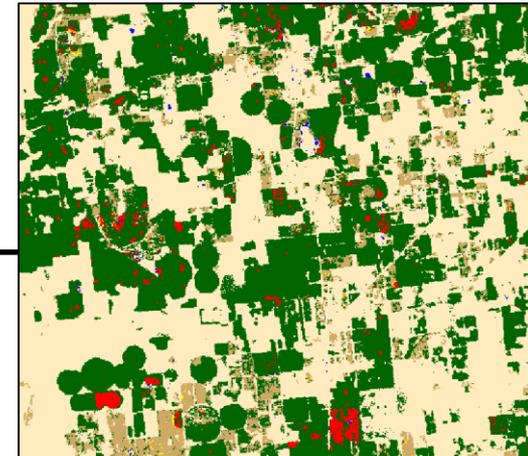
- **Event Dates:** October 9 – 12, 2018
- **Areas Affected:** Florida, Alabama, Georgia, South Carolina and North Carolina, USA
- **Major Crops in the Study Area:** Corn, Cotton, Peanuts, Soybeans, Sorghum, Rye, Oats, Millet and Pasture/Hay
- **Pre-Flood Imagery Acquisitions:** – September 24, 27, 29, and October 1, 2, 4, 2018
- **Post-Flood Imagery Acquisitions:** October 10, 11, 12, 13 and 14, 2018

Study Area



Dale and Houston Counties, AL

Jackson County, FL



Classification



Total Area Analyzed: 124,410,173 acres

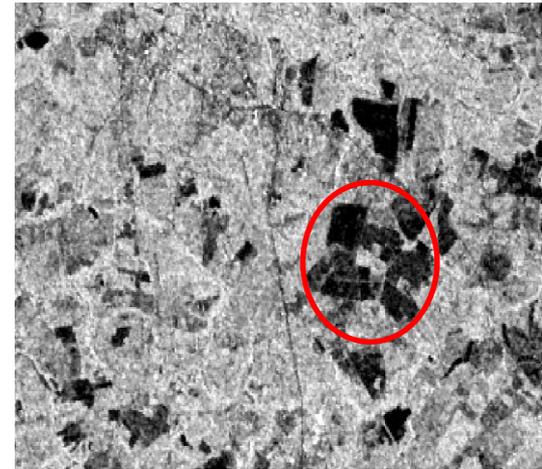
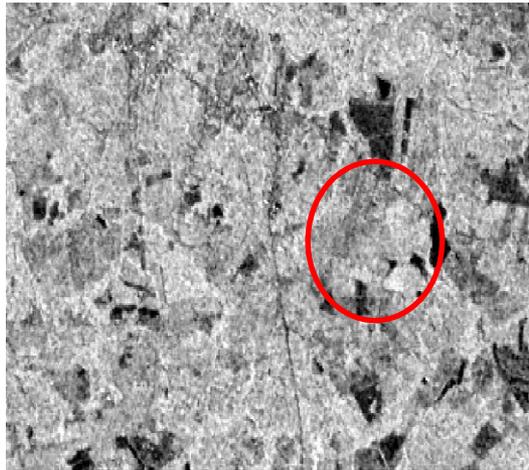
Total Cropland: 12,648,669 acres

Total Pasture/Hay: 9,060,019 acres

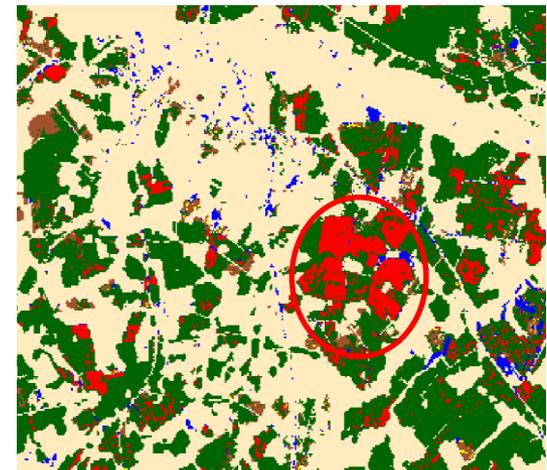
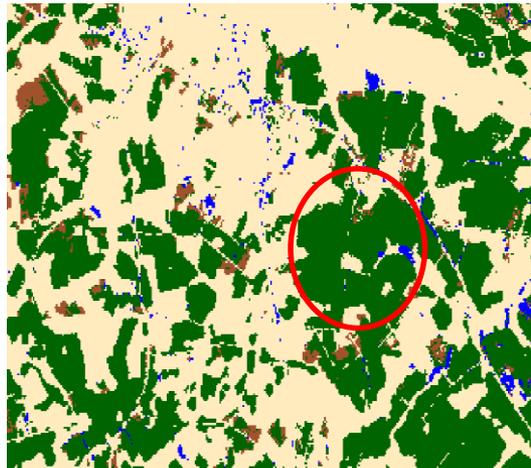
Example: Greene County, North Carolina

Pre-Flood: 10/01/18

Post Flood: 10/13/18



Copernicus Sentinel-1A Synthetic Aperture Radar (SAR)

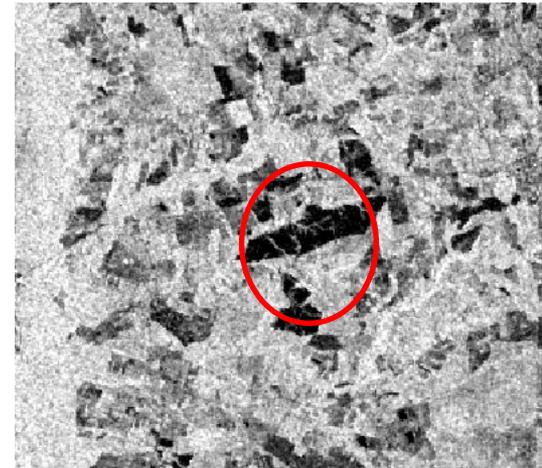
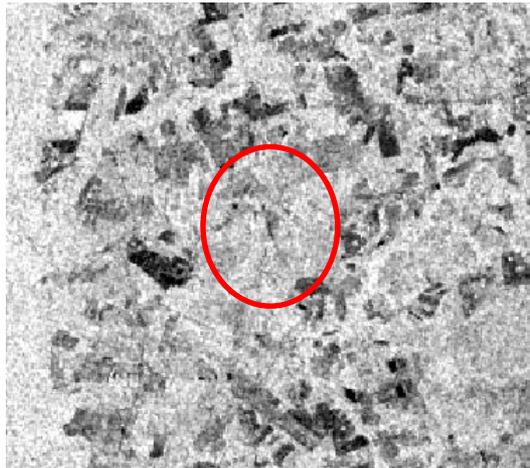


- Water
- Cropland
- Pasture Hay
- Other
- Inundated Cropland
- Inundated Pasture/Hay

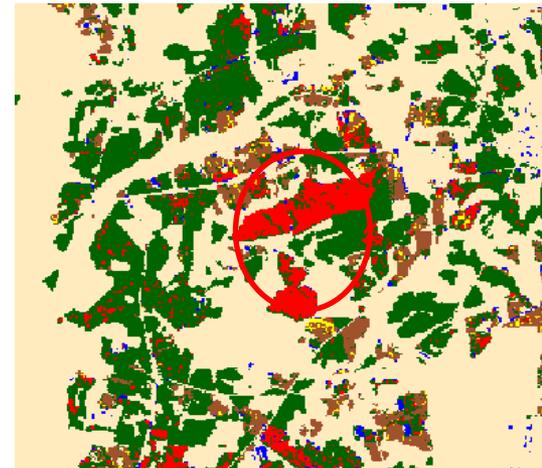
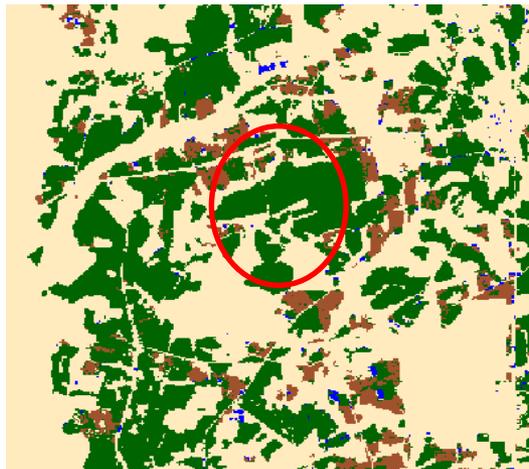
Example: Duplin and Lenoir Counties, North Carolina

Pre-Flood: 10/01/18

Post Flood: 10/13/18



Copernicus Sentinel-1A Synthetic Aperture Radar (SAR)

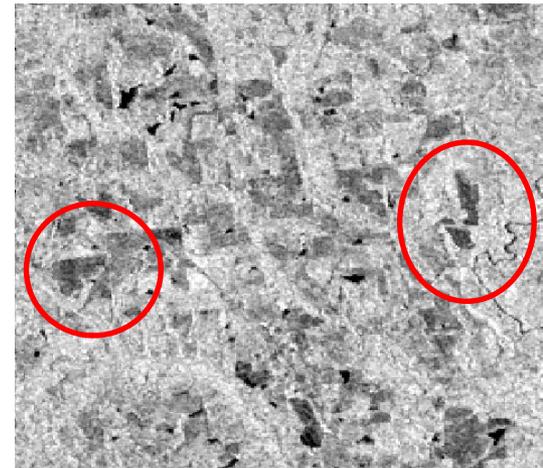
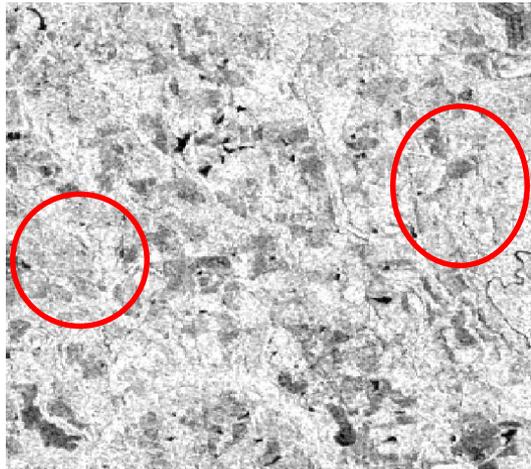


- Water
- Cropland
- Pasture Hay
- Other
- Inundated Cropland
- Inundated Pasture/Hay

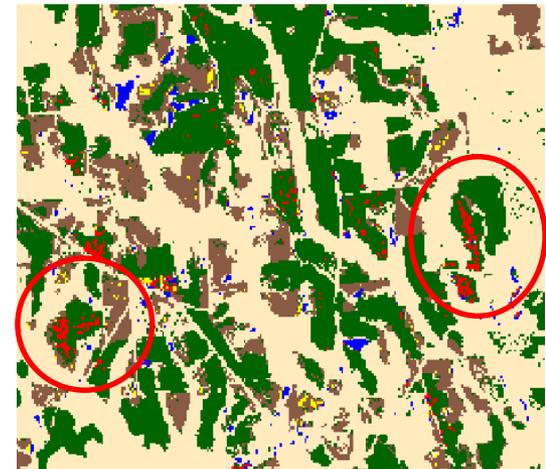
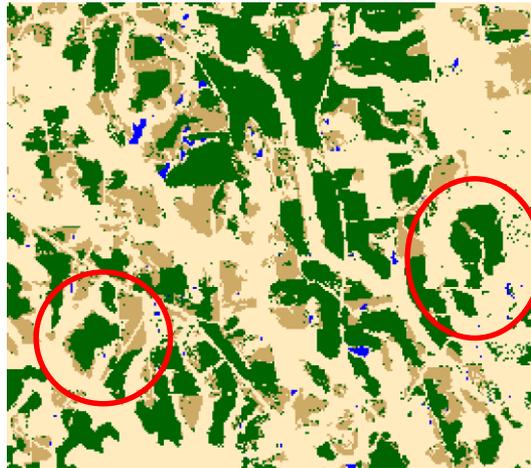
Example: Coffee County, Alabama

Pre-Flood: 09/27/18

Post Flood: 10/11/18



Copernicus Sentinel-1A Synthetic Aperture Radar (SAR)



- Water
- Cropland
- Pasture Hay
- Other
- Inundated Cropland
- Inundated Pasture/Hay